

What is claimed is:

1. A method for communicating between cards in an electronic module, the method comprising:

generating a message for transmission at a first card;

transmitting the message over a bus to a second card by-passing an IP stack at the first card;

monitoring a queue at the second card for messages from the first card; and

reading a message from the queue at the second card when received from the first card.

2. The method of claim 1, wherein transmitting the message comprises transmitting the message over a cell bus.

3. The method of claim 1, wherein generating a message for transmission comprises generating a message for transmission between an application on the first card and an application on the second card.

4. The method of claim 1, wherein generating the message for transmission comprises:

allocating memory for the message;

populating the memory with the message; and

place the message in a queue for transmission.

5. The method of claim 1, and further comprising creating and registering a message queue at the second card for a selected application.

6. A method for communicating between cards in an electronic module, the method comprising:

generating a message for transmission from an application at a first card to an associated application at a second card;

transmitting the message over a cell-based bus as a message to the second card
by-passing an IP stack;
queuing the message in a queue for the associated application at the second card;
monitoring the queue at the second card for messages from the first card; and
reading a message from the queue at the second card when received from the first
card.

7. A method for communicating between cards in a digital subscriber line
access multiplexer (DSLAM), the method comprising:

generating a message for transmission from an application at a first card to an
associated application at a second card;
by-passing the IP stack for the message;
queuing the message at the first card;
transmitting the message over a cell-based bus as a message to the second card;
queuing the message in a queue for the associated application at the second card;
monitoring the queue at the second card for messages from the first card; and
reading the message from the queue at the second card when received from the
first card.

8. The method of claim 7, wherein generating a message comprises
generating a request by a connection admission control (CAC) application in the first
card for data from a CAC application in a second card for use by the CAC application in
the first card.

9. An electronic module, comprising:
a first card including at least one application running on the first card;
a second card including at least one related application running on the
second card;
a bus, communicatively coupled to both the first and the second cards;
wherein communication between the at least one application on the first
card and the at least one application on the second card is accomplished by messages

passed over the bus between the first and second cards by-passing the IP stack on the first and second cards.

10. The electronic module of claim 9, wherein the first card includes an inter-card communication module that selectively queues messages communicated between the boards so as to by-pass the IP stack of the first card.

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